Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/26/2017 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124132	-1	1.57	123990	1.50
Blue	F	SSC	125000	123161	-2	3.21	123454	2.95
Blue	E	FITC	23355	22721	-3	2.34	1015	9.90
Blue	D	PE	28848	28162	-3	1.90	1012	9.35
Blue	B	PerCP-Cy5-5	47791	47088	-2	3.35	1347	16.20
Blue	A	PE-Cy7	41358	40795	-2	4.99	634	34.10
Red	C	APC	51316	50683	-2	2.71	2912	9.26
Red	A	APC-Cy7	53225	52754	-1	2.79	1093	11.03
Violet	B	V450	14473	13793	-5	5.25	662	9.45
Violet	A	V500	59973	58771	-3	5.14	2611	7.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18639	4.51	605	7	N/A	N/A	Pass
Blue	F	SSC	61376	1.39	535	1	N/A	N/A	Pass
Blue	E	FITC	113	39.20	541	-3	0.0226	236	Pass
Blue	D	PE	221	27.91	536	-2	0.1772	242	Pass
Blue	B	PerCP-Cy5-5	211	43.93	626	-4	0.0113	136	Pass
Blue	A	PE-Cy7	70	112.57	676	-5	0.0128	13	Pass
Red	C	APC	342	27.40	593	-1	0.0215	100	Pass
Red	A	APC-Cy7	119	40.56	573	-3	0.0059	1862	Pass
Violet	B	V450	81	42.36	470	-1	0.0514	2252	Pass
Violet	A	V500	190	23.85	502	1	0.0148	712	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/26/2017 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.85	0.83
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	17.05	13.27 - 19.91	N/A	N/A	31.95	32.40	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10017

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments